

**Flood Control Project Maintenance
Levee Inspections**

Fall 2008 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including Boat Survey Erosion

San Joaquin River Basin

RD2089	Overall LMA Rating	Total LMA Miles				
Reclamation District No. 2089	U	2.90				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	0.26	2.08	8.58	295.86%		
Trim / Thin Trees	0.85	0.12	1.33	45.86%		
Animal Control	0.03	0.01	0.07	2.41%		
Crown Surface / Depressions / Rutting	0.76		0.76	26.21%		
Boat Survey Erosion	0.04	0.03	0.16	5.52%		
<i>LMA Totals:</i>	1.94	2.24	10.90	375.86%	0.00	0.00

Unit No. 01 Old River	Overall Unit Rating	Total Unit Miles				
	U	1.50				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation		1.25	5.00	333.33%		
Trim / Thin Trees	0.47	0.08	0.79	52.67%		
Animal Control		0.01	0.04	2.67%		
Crown Surface / Depressions / Rutting	0.24		0.24	16.00%		
Boat Survey Erosion	0.04	0.03	0.16	10.67%		
<i>Unit Totals:</i>	0.75	1.37	6.23	415.33%	0.00	0.00

Unit No. 02 Salmon Slough	Overall Unit Rating	Total Unit Miles				
	U	1.40				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	0.26	0.83	3.58	255.71%		
Trim / Thin Trees	0.38	0.04	0.54	38.57%		
Animal Control	0.03		0.03	2.14%		
Crown Surface / Depressions / Rutting	0.52		0.52	37.14%		
<i>Unit Totals:</i>	1.19	0.87	4.67	333.57%	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2008 Levee Inspection Results

Reclamation District No. 2089

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2008 Levee Inspection Results

Reclamation District No. 2089

Waterway			Bank	Unit Miles
Unit No. 01 Old River			Right	1.50
	Spring (March - May)	Summer (June - August)	Fall (September - November)	Winter (December - February)
Date of Inspection	5/8/2008		9/18/2008	
DWR Inspector	Richard Willoughby		Hana Babbin	
Accompanied By				
Unit Maintenance Rating (Fall Only)			U	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to : DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000.

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2008

Reclamation District No. 2089

Waterway						Bank	Unit Miles	Inspection Date		Inspector	
Unit No. 01 Old River						Right	1.50	09/18/2008		Hana Babbins	
LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.01	0.01	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.811582 ° -121.385448 °	37.811582 ° -121.385448 °		3
2	0.04	0.04	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.811505 ° -121.385928 °	37.811505 ° -121.385928 °		4
3	0.15	0.45	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.810995 ° -121.387855 °	37.809543 ° -121.392733 °		5
4	0.22	0.22	Boat Survey	Boat Survey Erosion	LS	M	Inspector Comments: Minor toe erosion; manmade padding on Middle slope	37.810460 ° -121.388870 °	° °		927
5	0.22	0.47	Earthen Levee	Vegetation	LS	U	Remove the wild growth other than native grasses from the levee slopes.	37.810558 ° -121.389072 °	37.809625 ° -121.393030 °		6
6	0.30	0.30	Boat Survey	Boat Survey Erosion	LS	M	Inspector Comments: Pocket erosion with vertical scarp; loss of rip rap; mild vegetation growth	37.810050 ° -121.390260 °	° °		928
7	0.31	0.31	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees over roadway to at least 12 feet above ground level.	37.810065 ° -121.390453 °	37.810065 ° -121.390453 °		7
8	0.37	0.45	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Regrade the crown roadway for proper drainage.	37.809787 ° -121.391495 °	37.809540 ° -121.392733 °		8
9	0.40	0.40	Earthen Levee	Animal Control	WS	U	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows. Inspector Comments: RD 2089: Large/deep burrow discovered on the WS. No rodent control program is in effect for this district. No GPS coordinates available due to difficulties.	° °	° °	Y	23
10	0.40	0.66	Earthen Levee	Vegetation	WS	U	Remove the wild growth other than native grasses from the levee slopes.	37.809638 ° -121.391985 °	37.809738 ° -121.396112 °		9
11	0.41	0.41	Boat Survey	Boat Survey Erosion	WS	M	Inspector Comments: 2 sites; steep upper slope; d.s. of pump	37.809530 ° -121.392160 °	° °		929
12	0.54	0.61	Earthen Levee	Trim / Thin Trees	WS	U	Trim trees to at least five feet above ground level.	37.810137 ° -121.394150 °	37.810195 ° -121.395417 °		11
13	0.54	0.66	Earthen Levee	Vegetation	LS	U	Remove the wild growth other than native grasses from the levee slopes.	37.810137 ° -121.394150 °	37.809735 ° -121.396110 °		10
14	0.62	0.62	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.810113 ° -121.395617 °	37.810113 ° -121.395617 °		12
15	0.66	0.66	Boat Survey	Boat Survey Erosion	LS	U	Inspector Comments: No change; four rodent holes; wide levee crown	37.809780 ° -121.396230 °	° °		930
16	0.76	1.07	Earthen Levee	Vegetation	WS	U	Remove the wild growth other than native grasses from the levee slopes.	37.808893 ° -121.397567 °	37.805912 ° -121.399865 °		13

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2008

Reclamation District No. 2089

Waterway						Bank	Unit Miles	Inspection Date		Inspector	
Unit No. 01 Old River						Right	1.50	09/18/2008		Hana Babbins	
LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
17	1.01	1.07	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.806088 ° -121.398710 °	37.805903 ° -121.399857 °		15
18	1.17	1.19	Boat Survey	Boat Survey Erosion	LS	U	Inspector Comments: 2007 pictures do not match GPS and current condition; needs review	37.809960 ° -121.413200 °	° °		932
19	1.18	1.18	Boat Survey	Boat Survey Erosion	LS	M	Inspector Comments: Toe slough	37.805530 ° -121.401700 °	° °		931
20	1.24	1.24	Earthen Levee	Trim / Thin Trees	LS	U	Trim trees to at least five feet above ground level.	37.805788 ° -121.402720 °	37.805788 ° -121.402720 °		16
21	1.24	1.40	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Keep the crown roadway free of vegetation. Inspector Comments: LM is approximate due to GPS difficulties.	37.810189 ° -121.389920 °	37.810189 ° -121.389920 °	Y	22
22	1.34	1.53	Earthen Levee	Vegetation	WS	U	Remove the wild growth other than native grasses from the levee slopes.	37.806108 ° -121.404430 °	37.806717 ° -121.407897 °		17
23	1.41	1.53	Earthen Levee	Vegetation	LS	U	Remove the wild growth other than native grasses from the levee slopes.	37.806275 ° -121.405685 °	37.806717 ° -121.407897 °		18
24	1.42	1.48	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.806312 ° -121.405895 °	37.806448 ° -121.406885 °		19
25	1.48	1.48	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees over roadway to at least 12 feet above ground level.	37.806448 ° -121.406885 °	37.806448 ° -121.406885 °		20

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Waterway	Bank	Unit Miles	Inspection Date	Inspector
Unit No. 01 Old River	Right	1.50	09/18/2008	Hana Babbins

Levee Mile Report Line	9
Start Levee Mile	0.40
End Levee Mile	0.40
Location	
Category	Earthen Levee
Item	Animal Control
RD 2089: Large/deep animal burrow discovered on WS. Numerous others are present throughout this district.	



Levee Mile Report Line	21
Start Levee Mile	1.24
End Levee Mile	1.40
Location	
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
RD 2089: Crown roadway needs improvements.	

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**Flood Control Project Maintenance
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Unit Cover Sheet

Fall 2008 Levee Inspection Results

Reclamation District No. 2089

Waterway			Bank	Unit Miles
Unit No. 02 Salmon Slough			Right	1.40
	Spring (March - May)	Summer (June - August)	Fall (September - November)	Winter (December - February)
Date of Inspection	5/8/2008		9/18/2008	
DWR Inspector	Richard Willoughby		Hana Babbin	
Accompanied By				
Unit Maintenance Rating (Fall Only)			U	

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Unit No. 02 Salmon Slough						Right	1.40	09/18/2008		Hana Babbins	
LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.02	0.02	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.806772 ° -121.407972 °	37.806772 ° -121.407972 °		3
2	0.08	0.08	Earthen Levee	Vegetation	LS	U	Elderberries are blocking visibility and flood fight capability.	37.807375 ° -121.408605 °	37.807375 ° -121.408605 °		4
3	0.21	0.21	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.809058 ° -121.409712 °	37.809058 ° -121.409712 °		5
4	0.23	0.23	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.809282 ° -121.409930 °	37.809282 ° -121.409930 °		6
5	0.30	0.30	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.809878 ° -121.411027 °	37.809878 ° -121.411027 °		7
6	0.40	0.66	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability.	37.810157 ° -121.412928 °	37.812395 ° -121.415813 °		8
7	0.69	0.85	Earthen Levee	Vegetation	WS	U	Remove the wild growth other than native grasses from the levee slopes.	37.812658 ° -121.415193 °	37.814843 ° -121.414732 °		10
8	0.85	1.37	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Keep the crown roadway free of vegetation.	37.814830 ° -121.414718 °	37.819362 ° -121.419625 °		12
9	0.88	0.91	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.814978 ° -121.415117 °	37.814898 ° -121.415653 °		13
10	0.99	1.20	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.814927 ° -121.417060 °	37.817272 ° -121.419387 °		14
11	1.04	1.37	Earthen Levee	Vegetation	WS	U	Remove the wild growth other than native grasses from the levee slopes.	37.815353 ° -121.417840 °	37.819358 ° -121.419625 °		16
12	1.04	1.37	Earthen Levee	Vegetation	LS	U	Remove the wild growth other than native grasses from the levee slopes.	37.815352 ° -121.417838 °	37.819360 ° -121.419625 °		15
13	1.17	1.20	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.816900 ° -121.419190 °	37.817185 ° -121.419330 °		17
14	1.27	1.31	Earthen Levee	Trim / Thin Trees	WS	U	Trim trees to at least five feet above ground level.	37.818125 ° -121.419713 °	37.818685 ° -121.419727 °		19
15	1.27	1.37	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.818125 ° -121.419715 °	37.819357 ° -121.419625 °		18

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